

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

DECLARATION

|                     |                                 |
|---------------------|---------------------------------|
| Inventor(s):        | Kevin E. GATES                  |
| Application Number: | 10/577,189                      |
| Filing Date:        | April 25, 2006                  |
| Entitled:           | IMPROVED SUPPORT VECTOR MACHINE |

As the below-named inventor, I declare that:

The inventor's residence, mailing address, and citizenship are as stated below next to his name.

I believe that I am the original, first, and sole inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled:

**IMPROVED SUPPORT VECTOR MACHINE**

the specification of which:

☐ is attached hereto.

☒ was filed on 10/29/2004 as Application Serial No. PCT/AU2004/001507  
and was amended on \_\_\_\_\_ (if applicable).

I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendments referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §§ 119(a)–(d) or (f), or § 365(b) of any foreign application(s) for patent or inventor's rights certificate(s), or 365(a) of any PCT international application that designated at least one country other than the United States of America, listed below and have also identified below by checking the box corresponding to any foreign application for patent, inventor's rights certificate(s), or corresponding to any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application Number(s) | Country   | Foreign Filing Date | Priority Claimed                    |                          |
|-------------------------------------|-----------|---------------------|-------------------------------------|--------------------------|
|                                     |           |                     | Yes                                 | No                       |
| PCT/AU2004/001507                   | Australia | 29 October 2004     | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2003905991                          | Australia | 31 October 2003     | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

I hereby claim priority benefits under 35 U.S.C. § 119(e) of any United States Provisional application(s) listed below:

| Application Number(s) | Filing Date |
|-----------------------|-------------|
| none                  |             |
|                       |             |

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States, as listed below, and insofar as the subject matter of each of the Claims of this Application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

| Country | Application Number(s) | Filing Date | Status |
|---------|-----------------------|-------------|--------|
| none    |                       |             |        |
|         |                       |             |        |

I hereby declare that all statements made herein of my knowledge are true; all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and may jeopardize the validity of the application or any patent issuing thereon.

The attorneys of record in said application for patent are hereby authorized and requested by the undersigned to insert in this Declaration the date and application number thereof in the places provided therefor.

Name of Sole or First Inventor: Kevin E. Gates

Inventor's Signature:

Residential Street Address:

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same as above

☐ Additional inventors or a legal representative are being named on \_\_\_\_\_ additional form(s) attached hereto.